

NOTES AND OBSERVATIONS ON LEPTURINI IN NEW ENGLAND (COLEOPTERA: CERAMBYCIDAE)

DONALD A. WILSON

School of Forest Resources
University of Maine, Orono, Me. 04473

ABSTRACT

Eight years of collection and host plant data are presented for 54 species of the tribe Lepturini. These records are from: Moosehead Lake, Maine; Durham, New Hampshire; and Fall River, Massachusetts.

Eight years of collection, observation, and literature review have yielded the following information on Lepturini in New England. The majority of observations were made near Moosehead Lake (1), in west-central Maine; other observations were made in the areas of Durham, New Hampshire (2), and Fall River, Massachusetts (3). Records are cited by these numbers in the following list. Information also has been taken from the collections of the Universities of Maine, New Hampshire, and Massachusetts.

The nomenclature of this list follows that of Swaine and Hopping (1928), Hopping (1937) and is supplemented with the other sources listed. Names of all plants were taken from Fernald (1950). Scarce indicates that adults were found in very small numbers; common indicates that they were generally plentiful.

Pseudopachyta rugipennis Newman (1 & 2, scarce). Host plant: dead pine (Swaine & Hopping 1928). Found under the bark of dead and dying *Pinus strobus* L.

Pidonia aurata (Horn) (2, scarce).

Pidonia ruficollis (Say) (1, 2, & 3, common). Frequents flowers of *Geranium maculatum* L. (Knull 1946), *Viburnum cassinoides* L., *Cornus stolonifera* Michx., *Cornus alternifolia* L., and *Pyrus americana* (Marsh.) DC.

Idiopidonia pedalis (LeConte) (1, 2, 3, scarce).

Grammoptera exigua (Newman) (3, scarce).

Grammoptera haematites (Newman) (2 & 3, scarce). Frequents flowers of *Cornus alternifolia* L.

Grammoptera subargentata (Kirby) (1, 2, & 3, common). Found on flowers of *Viburnum cassinoides* L., *Cornus stolonifera* Michx., *Cornus alternifolia* L., *Pyrus americana* (Marsh.) DC., and *Spirea latifolia* (Ait.) Borkh.

Grammoptera ruficeps (LeConte) (2 & 3, scarce). Taken on flowers of *Viburnum cassinoides* L.

Alosterna capitata (Newman) (1, 2, 3, scarce). Frequents flowers of *Viburnum cassinoides* L., *Cornus alternifolia* L. and *Pyrus americana* (Marsh.) DC.

Leptura emarginata Fabricius (3, scarce). Host plants: *Castanea*, *Ulmus*, *Fagus*, *Quercus*, *Nyssa*, and *Betula* (Swaine & Hopping 1928). Adults may be easily taken by use of fermenting bait (Knull 1946).

Leptura subhamata Randall (1, 2, & 3, scarce). Host plants: *Tsuga* and *Pinus*. Taken on logs of *Fagus* and *Quercus* (Wickham 1897). Taken on *Spirea latifolia* (Ait.) Borkh.

Leptura plebeja Randall (1, 2, & 3, scarce). Taken on *Spiraea latifolia* (Ait.) Borkh.

Leptura lineola Say (1, 2, & 3, common). Host plant: *Betula* (Swaine & Hopping 1928). Breeds in dead birch stumps and dead ironwood (Knull 1946). Taken on flowers of *Rubus alleghaniensis* Porter (Blackman 1918), *Spiraea latifolia* (Ait.) Borkh., *Cornus stolonifera* Michx., and *Viburnum*.

Typocerus acuticauda Casey (1 & 3, scarce).

Typocerus zebra (Olivier) (2, scarce). Host plants: dead stumps of the genus *Pinus* (Swaine & Hopping 1928); mines oaks (Beutenmuller 1896). Adults are found on flowers, especially *Rhus* spp. (Dillon 1961).

Typocerus velutinus (Olivier) (1, 2, & 3, common). Host plants: decaying hardwoods and conifers (Swaine & Hopping 1928). Reared from decayed *Betula alleghaniensis* Britton (Knull 1946). Taken on *Spiraea latifolia* (Ait.) Borkh.

Typocerus sinuatus (Newman) (3, scarce).

Anoploclera nigrella (Say) (1&2, scarce). Recorded as breeding in dead pine (Knull 1946). Host plants: *Pinus* and *Picea* (Swaine & Hopping 1928). Found ovipositing on spruce-fir pulpwood.

Anoploclera sexmaculata (Linnaeus) (1, 2, & 3, scarce). Found on flowers of *Viburnum cassinoides* L., *Pyrus americana* (Marsh.) DC., *Rubus alleghaniensis* Porter, *Achillea millefolium* L., and *Chrysanthemum leucanthemum* L.

Anoploclera cordifera (Olivier) (1, 2, & 3, common). Found on *Spiraea latifolia* (Ait.) Borkh.

Anoploclera nitens (Forster) (1, 2, & 3, common). Host plants: *Quercus*, *Castanea*, *Juglans* (Swaine & Hopping 1928), and *Quercus velutina* Lam. (Wickham 1897). Larvae mine beneath bark at bases of trees. Reared from decayed *Acer saccharum* Marsh. (Knull 1946)

Anoploclera octonotata (Say) (3, scarce).

Anoploclera mutabilis (Newman) (1, 2, & 3, common). Breeds in numerous decaying hardwoods (Dillon 1961) including *Quercus*, *Betula*, *Acer*, *Castanea*, *Fagus* (Swaine & Hopping 1928), ironwood, *Alnus*, *Populus*, *Salix*, *Prunus serotina* Ehrh., and *Betula nigra* L. (Knull 1946). Found on flowers of *Rubus alleghaniensis* Porter (Blackman 1918), *Pyrus americana* (Marsh.) DC., *Cornus stolonifera* Michx., *Viburnum trilobum* Marsh., *Viburnum cassinoides* L., *Chrysanthemum leucanthemum* L., and *Spiraea latifolia* (Ait.) Borkh.

Anoploclera sanguinea LeConte (1 & 2, scarce). Taken on flowers of *Viburnum cassinoides* L., *Viburnum trilobum* Marsh., *Cornus stolonifera* Michx., *Chrysanthemum leucanthemum* L., and *Achillea millefolium* L.

Anoploclera biforis (Newman) (1, 2, & 3, scarce). Host plant: *Castanea* (Swaine & Hopping 1928). Taken on spruce-fir pulpwood. Frequents *Spiraea* (Blackman 1918).

Anoploclera proxima (Say) (1, 2, & 3, common). Host plants: *Acer*, *Hicoria*, *Castanea*, and *Tilia* (Swaine & Hopping 1928). Reared from *Acer* (Wickham 1897). Taken on *Sambucus canadensis* L., *Chrysanthemum leucanthemum* L., and *Spirea latifolia* (Ait.) Borkh.

Anoploclera minnesotana (Casey) (1, 2, & 3, common). Same as *A. proxima* (Say).

Anoploclera canadensis (Olivier) (1, 2, & 3, Common). Host plants: *Tsuga* (Swaine & Hopping 1928, Wickham 1897). *Pinus*, *Picea*, *Pinus strobus* L. (Swaine & Hopping 1928). Found ovipositing on spruce-fir pulpwood. Taken on *Spiraea latifolia* (Ait.) Borkh., *Solidago* spp., and *Eupatorium purpureum* L.

Anoplodera chrysocoma (Kirby) (1, 2, & 3, common). Host plants: *Pinus* spp. (Swaine & Hopping 1928). Taken on flowers of *Viburnum cassinoides* L., *Pyrus americana* (Marsh.) DC., *Cornus stolonifera* Michx., *Chrysanthemum leucanthemum* L., *Rubus alleghaniensis* Porter, and *Achillea millefolium* L.

Anoplodera rubrica (Say) (1, 2, & 3, common). Host plants: hardwoods and conifers (Swaine & Hopping 1928). Taken on *Spiraea latifolia* (Ait.) Borkh. and *Sorbaria sorbifolia* (L.) A. Br.

Anoplodera vagans (Olivier) (1, 2, & 3, common). Host plants: hickory and birch (Knull 1946), *Pinus* (Swaine & Hopping 1928), *Betula alleghaniensis* Britton and *Carya ovalis* (Wangenh.) Sarg. (Wickham 1897). Taken on *Spiraea latifolia* (Ait.) Borkh. and *Sorbaria sorbifolia* (L.) A. Br.

Anoplodera circumdata (Olivier) (2 & 3, common). Taken on *Spiraea* (Blackman 1918), *Viburnum cassinoides* L., and *Cornus stolonifera* Michx.

Anoplodera pubera (Say) (1, 2, & 3, common). Taken on *Rubus alleghaniensis* Porter (Blackman 1918), *Viburnum cassinoides* L., *Cornus alternifolia* L., *Cornus stolonifera* Michx., *Pyrus americana* (Marsh.) DC., *Spiraea latifolia* (Ait.) Borkh. and *Rosa* spp.

Anoplodera vittata (Swederus) (1, 2, & 3, common). Host plants: *Abies*, *Pinus*, *Juniperus*, *Castanea*, and *Larix* (Swaine & Hopping 1928) as well as other conifers and hardwoods (Dillon 1961). Taken on flowers of *Viburnum cassinoides* L., *Sambucus canadensis* L., *Chrysanthemum leucanthemum* L., *Spiraea latifolia* (Ait.) Borkh., and *Sorbaria sorbifolia* (L.) A. Br.

Encyclops coerulea (Say) (1 & 2, scarce). Knocked from dead cedar needles (Nicolay 1917). Recorded as breeding in the outer bark of living *Quercus alba*, *Acer*, *Castanea*, *Nyssa*, *Fraxinus nigra* Marsh., and *Carya ovalis* (Wangenh.) Sarg. (Knull 1946). Taken on flowers of *Cornus alternifolia* L.

Toxotus vittiger (Randall) (1, 2, & 3, scarce). Frequents flowers of *Hydrangea arborescens* L. and *Viburnum acerifolium* L. (Knull 1946).

Toxotus schaumii (LeConte) (3, scarce).

Stenocorus inquisitor (Linnaeus) (1, 2, & 3, common). Host plants: *Pinus*, *Abies*, *Tsuga*, *Larix* (Hopping 1947) and *Picea* (Beutenmuller 1896). Taken under bark of dead *Pinus* logs and stumps.

Centrodera decolorata (Harris) (1, 2, & 3, scarce). Host plants: *Quercus* and *Castanea* (Knull 1946). Occurs on *Fagus* (Procter 1946, Wickham 1897) and *Acer* (Procter 1946). Occasionally taken with black light trap.

Anthophylax malachiticus (Haldeman) (1, 2, & 3, scarce). Frequents *Picea* (Procter 1946). May be taken on flowers of *Cornus* and *Acer spicatum* Lam. (Knull 1946).

Anthophylax viridis (LeConte) (1, 2, & 3, scarce). Frequents flowers of *Acer spicatum* Lam. (Knull 1946).

Anthophylax attenuatus (Haldeman) (1, 2, & 3, scarce). Reared from green branches of *Picea glauca* (Moench) Voss. (Procter 1946). Recorded as breeding in decayed *Fagus* (Knull 1946; Wickham 1897), *Acer*, *Populus*, and *Betula* (Knull 1946).

Evodinus monticola (Randall) (1 & 2, common). Recorded as breeding under bark of dead *Tsuga* trunks (Knull 1946, Procter 1946). Taken on flowers of *Rubus alleghaniensis* Porter (Blackman 1918), *Viburnum cassinoides* L., *Viburnum trilobum* Marsh., *Cornus stolonifera* Michx., *Prunus* spp., *Pyrus americana* (Marsh.) DC., *Chrysanthemum leucanthemum* L., and *Spiraea latifolia* (Ait.) Borkh.

Gaurotes cyanipennis (Say) (1, 2, & 3, scarce). Recorded as breeding in *Cornus*, *Juglans*, *Quercus*, *Prunus*, *Nyssa*, *Rhus* (Knull 1946), and *Betula* (Wickham 1897). Taken on flowers of *Rhus* (Wickham 1897) and *Cornus alternifolia* L.

- Gaurotes abdominalis* Bland (1, scarce). Frequents flowers (Procter 1946).
- Acmaeops pratensis* (Laicharting) (1, 2, & 3, common). Taken on pine lumber (Wickham 1897) and spruce-fir pulpwood. Frequents flowers of *Viburnum cassinoides* L., *Pyrus americana* (Marsh.) DC., *Chrysanthemum leucanthemum* L. and *Achillea millefolium* L.
- Acmaeops proteus* (Kirby) (1, 2, & 3, scarce). Taken on pine lumber (Wickham 1897) and spruce-fir pulpwood. Taken by beating dead pine needles (Nicolay 1917). Frequents flowers of *Viburnum cassinoides* L., *Pyrus americana* (Marsh.) DC., *Chrysanthemum leucanthemum* L., and *Achillea millefolium* L.
- Acmaeops thoracicus* (Haldeman) (2, scarce). May be a variety of *A. bivittatus* (Say) (Knull 1946).
- Acmaeops bivittatus* (Say) (2, scarce).
- Bellamira scalaris* (Say) (1, 2, & 3, scarce). Larvae have been found in many hardwood and coniferous trees (Procter 1946). Lives in *Betula alleghaniensis* Britton (Blackman 1918). Frequents *Spiraea latifolia* (Ait.) Borkh.
- Strangalina acuminata* (Olivier) (2 & 3, scarce). Recorded as breeding in dead ironwood, *Alnus*, *Physocarpus*, and *Viburnum* (Knull 1946). Found on flowers of *Sorbaria sorbifolia* (L.) A. Br.
- Strangalina famelica* (Newman) (3, scarce). Recorded as breeding in decayed *Betula alleghaniensis* Britton and *Quercus* (Knull 1946). Found on flowers, especially *Rosa* spp. (Knull 1946).
- Strangalina bicolor* (Swederus) (3, scarce). Recorded as breeding in dead *Acer* and *Quercus* (Knull 1946). Frequents flowers, especially *Rosa* spp. (Knull 1946).
- Strangalina luteicornis* (Fabricius) (2 & 3, common). Recorded as breeding in decayed *Viburnum dentatum* L., *Vitis*, *Fagus*, and *Ulmus* (Knull 1946). Adults are abundant on flowers of *Rhus glabra* L. (Knull 1946) and *Spiraea latifolia* (Ait.) Borkh.

REFERENCES CITED

- BEUTENMULLER, W. 1896. Food habits of North American Cerambycidae. J. New York Ent. Soc. 4:73-81.
- BLACKMAN, M. W. 1918. On the insect visitors to the blossoms of wild blackberry and wild spiraea; a study in seasonable distribution. New York St. Coll. For. Tech. Publ. 10:119-144.
- DILLON, E. S. AND L. S. 1961. A manual of common beetles of eastern North America. Row, Peterson & Co., Evanston, 884 p.
- FERNALD, M. L. 1950. Gray's manual of botany. 8th ed. American Book Co., Boston, 1632 p.
- HOPPING, R. 1937. The Lepturini of America north of Mexico. Part II. Nat. Mus. Canada Bull. 85:1-42.
- JAQUES, H. E. 1951. How to know the beetles. W. G. Brown Co., Dubuque, 372 p.
- KNULL, J. N. 1946. The long-horned beetles of Ohio. Ohio Biol. Surv. Bull. 39:133-354.
- LENG, C. W. 1920. Catalogue of the Coleoptera of America, north of Mexico. John D. Sherman, Mt. Vernon, N.Y., 470 p.
- NICOLAY, A. S. 1917. Buprestidae and Cerambycidae from Maine. Bull. Brooklyn Ent. Soc. 12:92-95.
- PROCTER, W. 1946. Biological survey of the Mount Desert Region. Part VII, The insect fauna. Biol. Surv. Mount Desert Region, Inc., Bar Harbor. Wistar Institute Anatomy and Biology, Philadelphia, 101 p.
- SWAINE, J. M. AND R. HOPPING. 1928. The Lepturini of America north of Mexico. Part I. Nat. Mus. Canada, Bull. 52:1-97.
- WICKHAM, H. F. 1897. The Cerambycidae of Ontario and Quebec. Canadian Ent. 29:81-88, 105-111, 148-153, 169-173, 187-197, 201-208.